

### **Remarks**

The Applicant respectfully requests reconsideration of the present U.S. Patent application as amended herein. Claims 19, 35-50, and 53 have been cancelled without prejudice. Claim 51 and 54 have been amended. No claims have been added or withdrawn in this response. Thus, claims 51, 52, 54, and 55 remain pending in the application.

### Claim Objections

Claims 54 and 55 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 54 has been rewritten to include all of the limitations of claims 19 and 53. Claim 55 depends from claim 54 and includes all of the limitations of claim 54. Claims 51 and 52 also depend from claim 54. For at least the above-stated reasons, the Applicant respectfully submits that claims 51, 52, 54, and 55 are in condition for allowance.

### Claim Rejections § 103

Claim 19 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al. in light of U.S. Patent No. 6,337,604 issued to Clarke. Claim 19 has been cancelled without prejudice and, therefore, the rejection of claim 19 is moot.

Claims 51 and 52 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al and U.S. Patent No. 6,337,604 issued to Clarke, in light of U.S. Patent No. 5,801,411 issued to Klughart. Claims 51 and 52 have been cancelled without prejudice and, therefore, the rejection of claims 51 and 52 is moot.

Claims 35, 44, 47-50 and 53 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al and U.S. Patent No. 6,337,604 issued to Clarke, in light of U.S. Patent No. 6,804,775 issued to Park. Claims 35, 44, 47-50 and 53 have been cancelled without prejudice and, therefore, the rejection of claims 35, 44, 47-50 and 53 is moot.

Claims 36 and 37 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke, U.S. Patent No. 6,804,775 issued to Park, and U.S. Patent No. 5,546,055 issued to Klughart. Claims 36 and 37 have been cancelled without prejudice and, therefore, the rejection of claims 36 and 37 is moot.

Claims 38 and 39 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke, U.S. Patent No. 6,804,775 issued to Park, U.S. Patent No. 5,546,055 issued to Klughart, and Horn, "Basic Electronics Theory" 4<sup>th</sup> Edition pp 377-378, pp 418-426, and pp 454-465. Claims 38 and 39 have been cancelled without prejudice and, therefore, the rejection of claims 36 and 37 is moot.

Claim 41 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke,

U.S. Patent No. 6,804,775 issued to Park, and U.S. Patent No. 3,930,169 issued to Kuhn Jr. Claim 41 has been cancelled without prejudice and, therefore, the rejection of claim 41 is moot.

Claim 42 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke, U.S. Patent No. 6,804,775 issued to Park, U.S. Patent No. 3,930,169 issued to Kuhn Jr., and Horn, "Basic Electronics Theory" 4<sup>th</sup> Edition pp 377-378, pp 418-426, and pp 454-465. Claim 42 has been cancelled without prejudice and, therefore, the rejection of claim 42 is moot.

Claim 43 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke, U.S. Patent No. 6,804,775 issued to Park, and U.S. Patent No. 5,801,411 issued to Klughart. Claim 43 has been cancelled without prejudice and, therefore, the rejection of claim 43 is moot.

Claim 45 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,582,434 issued to Plangger et al, U.S. Patent No. 6,337,604 issued to Clarke, U.S. Patent No. 6,804,775 issued to Park, and U.S. Patent No. 5,546,055 issued to Klughart. Claim 45 has been cancelled without prejudice and, therefore, the rejection of claim 45 is moot.

**Conclusion**

The Examiner is respectfully requested to contact the undersigned by telephone if such contact would further the examination of the present application.

Respectfully submitted,

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On: January 31, 2006

Signature:

  
Katherine Jennings